

Applicant Name	Greenfields Irrigation District
Project Name	Muddy Creek Wastewater and Erosion Reduction

Project Abstract

The Muddy Creek Wastewater and Erosion Reduction Project will take approximately 30 cubic feet per second (7,200 acre-feet) of water currently being wasted at two sites into Tank Coulee, tributary of Muddy Creek. After entering Muddy Creek from Greenfields Irrigation District drains, it will be pumped back into canals to be reused for irrigation. Flow fluctuations and tailwater is the key to reducing erosion in Muddy Creek. This flow reduction should help reduce Muddy Creek erosion by 30%, from 30,000 tons annually to 21,000, based upon flow and sediment studies over the past five years. The bigger erosion effort by the Muddy Creek Task Force will actually reduce sediment loads by more than 50% to 15,000 tons, when combined with the other Muddy Creek projects. Because of natural erosion, the remaining 15,000 tons is estimated to be the lowest possible sediment load, so this next set of projects should be the last of the major erosion control projects on Muddy Creek.